



RECEIVED  
MAY 07 2003  
TECHNOLOGY CENTER R3700

### REMARKS

Applicants' attorney would like to thank the Examiner and her supervisor for meeting with him to discuss the pending claims and the previous rejection. In response to the discussions at the interview of April 25, 2003, Applicants have amended claims 1, 20 and 25 to clarify their invention.

The purpose of this amendment is to make clear that the spring means drives the drive means. Applicants believe adding this to the text immediately following the term spring means in claims 1 and 20 clarifies but does not change the scope of the original claims because the last line of the original claims clearly suggested that the spring means supplied the force for expelling the dose. By this amendment, applicant have merely positively recited that old, preexisting limitation. Accordingly, applicants do not intend or foresee, that this amendment alters the scope of the invention as originally claimed.

As applicants' attorney discussed at the interview, the prior art Petersen et al patent (and likewise the Chanoch et al patent) do not disclose a spring driven resettable pen style dosers (injection devices). Instead, they relate to dosers where the force expelling the dose is provided by a user's fingers. Accordingly, applicants' respectfully submit that they do not anticipate or render obvious the pending claims.

Finally, Applicants attorney would again like to thank the Examiner and her supervisor for meeting with him and for her helpful suggestions.

### Conclusion

In view of the above, applicants respectfully submit that all claims are in condition for allowance.



The Commissioner is hereby authorized to charge any fees in connection with this application and to credit any overpayments to Deposit Account No. 14-1447. Should the Examiner have any questions or concerns, she should feel free to contact the applicants' attorney to discuss them.

Date: May 1, 2003

Respectfully submitted,

Marc A. Began, Reg. No. 48,829  
Novo Nordisk Pharmaceuticals, Inc.  
100 College Road West  
Princeton, NJ 08540  
(609) 987-5800



23650

PATENT TRADEMARK OFFICE

RECEIVED  
MAY 07 2003  
TECHNOLOGY CENTER R3700



RECEIVED  
MAY 07 2003  
TECHNOLOGY CENTER R3700

VERSION WITH MARKINGS TO SHOW CHANGES MADE

**In the Claims**

1. A dose setting device for use in combination with a fluid-filled reservoir, the dose setting device being adapted for repetitive injection of individual set doses of fluid from the reservoir, the dose setting device comprising:

a housing~~(10)~~;

a drive member ~~(30)~~ adapted to expel a dose of medicine from the reservoir;

a spring means ~~(70)~~ for driving the drive member to expel the dose;

a dose setting assembly ~~(40, 50, 60)~~ mounted in the housing and connected to the spring means, the dose setting assembly comprising a dose setting member ~~(50)~~ being moveable in a first direction to set a selected dose against the bias of the spring means, wherein movement of the dose setting member is accompanied by a straining of the spring, and wherein the dose setting member is moveable in a second direction to selectively adjust the set dose;

a latch means ~~(80, 90)~~ associated with the housing to retain the apparatus in the set position against the bias of the spring means; and

wherein the latch means ~~being~~ is releasable to cause the drive member to expel the set dose from the syringe, the force for expelling the set dose being provided by the spring means.

20. A dose setting device for use in combination with a fluid-filled reservoir, the dose setting device being adapted for repetitive injection of individual set doses of fluid from the reservoir, the dose setting device comprising:

a housing~~(108)~~;

a drive member ~~(102)~~ adapted to expel a dose of medicine from the reservoir;

a spring means ~~(106)~~ for driving the drive member to expel the dose;

a dose setting assembly ~~(101, 103)~~ mounted in the housing and connected to the spring means, the dose setting assembly comprising a dose setting member ~~(101)~~ coupled to the drive member ~~(103)~~, the dose setting member being moveable in a first direction from an initial position to a selected set position against the bias of the spring means,

wherein movement of the dose setting member is accompanied by straining of the spring means,

a first latch means ~~(109)~~ associated with the housing to retain the device in a set position against the bias of the spring means,

the first latch means being releasable to cause the drive member to expel the set dose from the syringe, the force for expelling the set dose being provided by the spring means, and

wherein the coupling is adapted to be selectively disengaged thereby allowing the dose setting member to be moved in a second direction to selectively adjust the set dose.

25. A method of infusing a flowable drug into a living subject is provided, comprising the steps of:

a. providing an injection device for repetitive injection of individually set doses of a drug from a reservoir, the injection device comprising a housing, a reservoir containing a drug to be injected and having an outlet means therefore, a drive member adapted to expel a dose of medicine from the reservoir, a spring member for driving the drive means, a dose setting assembly mounted in the housing and connected to the spring means, the dose setting assembly comprising a dose setting member being moveable in a first direction to a selected set position against the bias of the spring means, wherein movement of the dose setting member is accompanied by straining of the spring and wherein the dose setting member is moveable in a second direction to selectively adjust the set dose, a latch means associated with the housing to retain the injection device in the set position against the bias of the spring means, and the latch means being releasable to cause the drive member to expel the set dose from the reservoir, the force for expelling the set dose being provided by the spring means, the method comprising the further steps of:

establishing a flow connection between the subject and the outlet means;

selecting a dose by operating the dose setting member, and

releasing the latch means thereby causing the spring means to drive the drive means to expel the set dose of the drug from the reservoir.